

Every drop
a risk...



...Every glove a guarantee.

Ansell GUARDIAN®

The permeation breakthrough times present in this chart were evaluated according to the EN ISO 374:2016 standard. Coloured cells with numbers and symbol (C) correspond to experimentally determined data generated by an accredited laboratory. The rest of the cells correspond to estimations.

MATERIAL			PVC/ NITRILE		NITRILE										NEOPRENE		NITRILE/ NEOPRENE	PVA	PATENT MULTI-LAYER		BUTYL	VITON/ BUTYL	LLDPE																																																																																																																																
THICKNESS (MM)			N.A.		0.38				N.A.		0.56		0.38		0.12		N.A.		0.13		N.A.		0.19		0.38		0.35		0.7		0.062																																																																																																																								
BRAND			AlphaTec®										AlphaTec® Solvex®		MICROFLEX®		TouchNuff®		AlphaTec®		NeoTouch™		AlphaTec®		MICROFLEX®		AlphaTec®																																																																																																																												
PRODUCT GROUP			04-004 04-005		58-001		58-435		58-530 58-535		58-735		58-008		37-675 37-676		93-850		92 500 92-600 93-250 93-300 93-700		58-335		08-352 08-354		25-101 25-201		58-005		15-554		93-260 93-360		53-001		38-514		38-628		02-100																																																																																																																
CAS	CHEMICAL NAME	%																																																																																																																																																					

PERMEATION BREAKTHROUGH TIMES (MINUTES)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

The information may comprise of experimental data or estimations based on extrapolations from experimental data. This information is intended to enable the Health and Safety professional at your organization to make more informed decisions about the Ansell products that may offer the greatest protection in the intended circumstances and assist with carrying out a risk assessment for your organization. Permeation times do not equate to safe wear time. Safe wear time may vary depending on whether the PPE is donned correctly, the surrounding temperature, the toxicity of the chemical, and other factors. It is the responsibility of your organization's Health and Safety professional to undertake a risk assessment before choosing the appropriate PPE for the task at hand. If you want to discuss any aspect in detail, please contact us. Estimations of the barrier rate of properties of PPE are based on currently available data and extrapolations from laboratory test results and information regarding the composition of the chemicals. Synergistic effects of mixing chemicals have not been accounted for. Estimations are subject to change if new testing is carried out providing better grounds for extrapolations. For these reasons, any information in this report is provided for informational purposes only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

